

- 1 1. An elevator system attached to the outside of a building comprising
2 an elevator portion having a rail engaging portion for moving the elevator
3 portion vertically on a rail attached to a structure,
4 a crane portion attached to the elevator portion for positioning a platform
5 adjacent the structure,
6 the crane portion has a rotating mechanism and a pivoting mechanism for
7 supporting one end of an arm,
8 the arm comprises a telescopic arm for reaching any position on or above a
9 building.
- 10 2. The telescopic arm consists of two parts interconnected with a pivoting
11 mechanism attached at its end to a cramp by a vertical rotating mechanism.
- 12 3. The cramp is pivoted to an outside platform supplied with a barrier.
- 13 4. A cabin capable to make a full rotation around its vertical axis is hanged
14 onto the outside platform.
- 15 5. The elevator portion is provided with a passenger compartment with sliding
16 doors, and a vertical aperture with a staircase, consisting of two parts – on
17 elevator portion and on autonomous rescue elevator, - leading to an
18 autonomous rescue elevator.
- 19 6. Elastic elements are provided on lower contact surfaces of the elevator
20 portion and on the autonomous rescue elevator supplied with supporting
21 elements.
- 22 7. The elevator portion and the autonomous rescue elevator are provided
23 with compartments for keeping anti-fire foam, liquids, hoses and other auxiliary
24 equipment for constant additional fuelling and liquids supply.
- 25 8. The passenger compartment is supplied with an additional control panel.
- 26 9. Working surfaces of an H-shaped rail are supplied with guiding slots.

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Abstract of the Disclosure

29 An elevator system for traveling on a rail attached to the outside of a high-rise
30 building. One elevator has a telescopic arm attached for reaching any position on
31 or above the building. The telescopic arm consists of two parts, which are
32 interconnected with a pivoting mechanism. The telescopic arm has a pivot at its
33 end attached to a cramp, with the help of a vertical rotating mechanism. The
34 cramp is pivoted to an outside platform with a barrier, a cabin is hanged onto the
35 platform and can make a full rotation. The elevator portion has a passenger
36 compartment with sliding doors and a vertical aperture with a staircase
37 connecting with an autonomous rescue elevator. Elastic elements are used for